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TITLE	Shiee MR ¹ , Heidari Z ² , Kamran B ¹ , Kia EB ¹
Molecular identification of <i>Trichuris</i> species isolated from <i>Rhombomys opimus</i> in Golestan Province, Iran	<ol style="list-style-type: none">1. Department of Medical Parasitology and Mycology, School of Public Health, Tehran University of Medical Sciences, Tehran, Iran.2. Department of Medical Microbiology, School of Medicine, Ardabil University of Medical Sciences, Ardabil, Iran.
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Background: Species determination of *Trichuris* base on the morphology of adult females is difficult and molecular characterizations of this nematode can be helpful in this regard. In the current study, a female of *Trichuris* species isolated from great gerbil (*Rhombomys opimus*) in Golestan Province, Iran were characterized by nucleotide sequencing.
Methods: DNA of the adult *Trichuris* sp. was isolated by GeneAll Purification Kit and ITS1-5.8S-ITS2 region was amplified by NC5, NC2 primers. The PCR product was sent for nucleotide sequencing.
Results: Alignments of the sequences of the current study, using Basic Local Alignment Search Tool, revealed existence of 99% homology between current isolate and *Trichuris* sp. H78 (Accession number: FN543202) isolate in GenBank from *Rhombomys* sp. in Kazakhstan.
Conclusion: Due to genetic and morphological variability in genus *Trichuris* and influence of the host on this variation, it is necessary to use additional criteria, such as molecular analysis, for phylogenetic and taxonomic studies.